Who You’ll Be Hearing From

Vivian Lewis
University Librarian

Wade Wyckoff
Associate University Librarian, Collections

Leeanne Romane
Learning Support Coordinator

Andrea McLellan
Head of Collections & Technical Services
School of Medicine Liaison
Health Sciences Library

Jay Brodeur
Manager, Maps, Data & GIS
The Library isn’t about....
Most importantly, the Library isn’t...
The University Library’s Vision:

“To be a catalyst for intellectual activity for the University and our community”
Library Collections at McMaster

Wade Wyckoff
Associate University Librarian, Collections
McMaster University Library
Library Collections, by the numbers

• 2 libraries, 4 locations
  – University Library: Mills, Thode, Innis
  – Health Sciences Library
• More than 2.2 million volumes (or “would be” volumes), including
  – 1.3 million print monographs
  – 600,000 e-books
• Nearly 90,000 e-journal titles and 1,100 print journal subscriptions
The William Ready Division of Archives and Research Collections
How do I find these collections?

- Library Catalogue
- Website
- Specialized databases
- Google Scholar
  Configuration information: https://library.mcmaster.ca/articles/google-scholar
- Archives in the William Ready Division: http://archives.mcmaster.ca/
- Digital Archive: http://digitalarchive.mcmaster.ca/
Want to get in touch with us? *(Sticky notes not required)*

- Faculty Library Representatives: [http://library.mcmaster.ca/contact/liaisons/faculty-reps](http://library.mcmaster.ca/contact/liaisons/faculty-reps)
- Recommendation forms [http://library.mcmaster.ca/forms/](http://library.mcmaster.ca/forms/)
- Talk with a real person!
  - University Library collections:
    - Janice Adlington, Collection Development Coordinator
  - William Ready Division of Archives and Research Collections:
    - Extension 22789 or [archives@mcmaster.ca](mailto:archives@mcmaster.ca)
  - Health Sciences Library collections:
    - Andrea McLellan, Head of Collections and Technical Services
Learning Support and Research Help

Leanne Romane, MLIS
Learning Support Coordinator
McMaster University Library
We help students move beyond learning how just to use the resources to learning how to understand the research process, and help them learn skills and concepts that improve their searching.

- Choosing better search terms
- Understanding resources types
- Which databases to use and why
- Focusing their results
- Evaluating the resources they find
Critical Thinking

For students to excel at researching they need to think critically about their research topics, the resources, the process, the impact and influences, and their contribution.

• Authority is Constructed and Contextual
• Information Creation as a Process
• Information has Value
• Scholarship as Conversation
• Searching as Strategic Exploration
Academic Integrity is fundamental to higher education and scholarship. Supporting students as they navigate ethical expectations encourages them to meet those expectations.

- Plagiarism and how to avoid it
- Citation styles
- Managing citations
Instruction Requests

Information Literacy and Research Skills for Students

The Library is your partner in teaching, learning and research.

We offer course-related and course-integrated instruction to McMaster faculty and students on how to find, evaluate and use information effectively and ethically.

We can:

- Provide advice on creating effective library and information research assignments.
- Teach your students and TAs how to search for information effectively.
- Create a course guide to help your students navigate through the Library's resources for a specific class or assignment.
- Educate students about plagiarism and the ethical use of information.
- Teach students how to correctly cite sources in their papers and bibliographies.

To request a class, please complete the form at http://library.mcmaster.ca/forms/library-class-request

For more information, read our Information Literacy Goals: http://library.mcmaster.ca/liaison/info-lit
Other Ways We Support Students’ Learning

• How Library Stuff Works video series

• Research Consultations
  (Library home page > Help)

Request a Research Consultation
Need one-on-one time with a librarian? Request a research consultation!
Open Access and Grant Requirements
A Quick Guide to Navigating the Waters

Created by
Neera Bhatnagar (Health Sciences Library) & Olga Perkovic (Mills Library)

Presented at Faculty Orientation, Dec. 6, 2016
Session Outline

• Introduction to Tri-Agency Open Access Policy

• Compliance Options
  1) Immediate Open Access or Open Access within 12 months
  2) Leverage Online Repositories

Visit our Open Access page:
http://library.mcmaster.ca/scholarly-communication/open-access
Tri-Agency Open Access Policy Statement

All research papers resulting from the funded research must be freely accessible within 12 months of publication

• Acknowledge Agency support by quoting the funding reference number in journal publications
Heart and Stroke Foundation of Canada

Publications Policy

Open Access Archiving

Whether to Archive: * Requires deposition in Open Access archives

What to Archive: * Peer-reviewed publications
* Unspecified format

When to Archive: * At the date of publication
* Acceptable embargo up to 6 months after publication

Where to Archive: * On the authors' own websites (Alternative)
* In appropriate institutional repositories (Alternative)
* In appropriate disciplinary repositories (Alternative)
* Inarxd repositories... (Preferred)
* PubMed Central (PMC) Canada (Preferred)
* Publisher/School Institutional site (Preferred)

Archiving Conditions: * No information

Open Access Publishing

Whether to Publish: * Requires publication in Open Access publications

Where to Publish: * In a peer-reviewed open access journal (Preferred)

General Conditions: Costs of open access publishing should be included in funding applications.

Data Archiving Policy

Whether to Archive: * Requires deposition in Open Access archives
Publication-Related Research Data

**CIHR ONLY**

- Deposit bioinformatics, atomic, and molecular coordinate data into the appropriate public database (e.g. gene sequences deposited in GenBank)

- Retain original data sets for a minimum of five years
COMPLIANCE OPTIONS
1. Immediate Open Access

- Article processing charge (APC) range from $1000 – 3000+ USD *include in grant proposal*
- Consult Author Information section for details
- Eligible expense for Tri-Agency funds
- [Publishing discounts](#) at Mac
database of reputable open access journals in all disciplines
2. PUBLISH IN A JOURNAL THAT MAKES CONTENT OPEN ACCESS WITHIN 12 MONTHS
SHERPA/RoMEO

Search - Publisher copyright policies & self-archiving

One journal found when searched for: bmj

Journal: **BMJ** (ISSN: 0959-8136, ESSN: 1756-1833) [Journal is Open Access]
RoMEO: This is a RoMEO green journal

**Author's Pre-print:** ✓ author can archive pre-print (i.e. pre-refereeing)
**Author's Post-print:** ✓ author can archive post-print (i.e. final draft post-refereeing)
**Publisher's Version/PDF:** ✓ author can archive publisher's version/PDF

**General Conditions:**
- Publisher copyright and source must be acknowledged
- Must link to publisher version
- Publisher's version/PDF may be used
- Creative Commons Attribution License or Creative Commons Attribution Non-Commercial License available (depending on requirement of funding agency)

**Mandated OA:** (Awaiting information)

**Notes:**
- All titles are open access journals

Copyright: [BMJ Resources for Authors](http://www.bmj.com/resources-authors)
Updated: 03-Apr-2013 - [Suggest an update for this record](http://www.sherpa.ac.uk/romeo/isrr/0959-8136/)
Link to this page: [http://www.sherpa.ac.uk/romeo/isrr/0959-8136/](http://www.sherpa.ac.uk/romeo/isrr/0959-8136/)

**Published by:** BMJ Publishing Group; BMJ - [Green Policies in RoMEO](http://www.bmj.com)

This summary is for the journal's default policies, and changes or exceptions can often be negotiated by authors.

*All information is correct to the best of our knowledge but should not be relied upon for legal advice.*
3. Leverage Online Repositories

• Deposit *Final Peer-Reviewed Manuscript* in Repository (e.g. **MACSphere**) within 12 months of publication
PubMed Central Canada

- Deposit CIHR funded articles
- Operational since October 2009
- Partnerships: CIHR, NRC-CISTI, NLM (US)
- Searchable using PMC (US) & Europe PMC
Putting it all Together

- Awarded a Tri-Agency grant?
- Wish to publish in *Social Science & Medicine*?
Embargo period for this journal is 36 months
Open Access Option?

YES
- Immediate Open Access

NO
- Open Access – 12 months
- Permission – deposit peer reviewed manuscript in repository – 12 months

STOP
Open Access Interactive Tool

***Generate a customized guide***

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**Tri-Agency Funding**

* Was the research published in this manuscript funded by NSERC, SSHRC or CIHR?

○ Yes  ○ No

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Next →
Retain your rights!
Retain Key Author Rights

Tri-Agency encourages the use of addendums so that you retain the right to deposit the final, peer-reviewed version in a Repository.
Tri-Agency Author Addendum

[Journal] acknowledges that the researcher will be entitled to archive an electronic copy of the final, peer-reviewed manuscript for inclusion in (name of repository). Manuscripts archived with (name of repository) may be made freely available to the public, via the internet, within twelve months of the official date of final publication in the journal.
Journal acknowledges that the researcher will be entitled to deposit an electronic copy of the final, peer-reviewed manuscript for inclusion in PubMed Central Canada (PMC Canada), and for this manuscript to be mirrored to PMC and all PMC International sites. Manuscripts deposited with PMC Canada (and PMC and PMC International sites) may be made freely available to the public, via the internet, within 12 months of the official date of final publication in the journal.
CARL/SPARC – Author Addendum

SPARC CANADIAN AUTHOR’S ADDENDUM TO PUBLICATION AGREEMENT

THIS ADDENDUM hereby modifies and supplements the attached Publication Agreement concerning the following Article:

(manuscript title)

The parties to the Publication Agreement and to this Addendum are:

(corresponding author, individually, or if more than one author, collectively, the Author)

(journal name)

(the Publisher)

The parties agree that whenever there is any conflict between this Addendum and the Publication Agreement, the provisions of this Addendum are paramount and the Publication Agreement shall be construed accordingly.

Notwithstanding any terms in the Publication Agreement to the contrary, AUTHOR and PUBLISHER agree as follows:

1. **Author's Retention of Rights.** In addition to any rights under copyright retained by Author in the Publication Agreement, Author retains the right to:
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   (iii) to convert the Article into a derivative work;
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   (v) to reproduce, adapt and publicly present the Article as a cinematographic film or non-commercial purposes;
   (vi) to communicate the work to the public by telecommunication for non-commercial purposes; and
   (vii) to authorize others to make any non-commercial use of the Article so long as Author receives credit as author and the journal in which the Article has been published is cited as the source of first publication of the Article. For example, Author may make and distribute copies in the course of teaching and research and may post the Article on personal or institutional Web sites and in other open access digital repositories.

2. **Publisher's Additional Commitments.** Publisher agrees to provide to Author within 34 days of first publication and at no charge an electronic copy of the published Article in Adobe Acrobat Portable Document Format (PDF) The Society reserves for such copy should
More Information

• Open Access – links to resources

http://library.mcmaster.ca/scholarly-communication/open-access

Contact:

scom@mcmaster.ca (Office of Scholarly Communication)

hslib@mcmaster.ca (Health Sciences Library)

sobyrne@mcmaster.ca – (Sarah O’Byrne, Copyright Counsel, Office of Legal Services)
Services for Researchers

A variety of services are offered by liaison librarians:

✓ Hands-on training of health databases and finding grey literature
✓ Expert search methodology guidance for syntheses research (e.g. systematic reviews)
✓ Guidance on author identity and citation metrics
✓ Curriculum collaboration for accredited programs

http://hsl.mcmaster.ca/services/researchers/
Online Training / In-Person Support

- Information Desk staff to help you locate health information
- Robust *Guides* on specific Topics or to support Programs: [http://hsl.mcmaster.libguides.com/](http://hsl.mcmaster.libguides.com/)
- *Online tutorials* covering every major health database: [http://hsl.mcmaster.libguides.com/tutorials](http://hsl.mcmaster.libguides.com/tutorials)
Research Data Management (RDM) is...

... the active organization & maintenance of data

... the application of best practices to ensure data security, accessibility, usability, and integrity

... a set of activities resulting in self-describing data sets that can be discovered and reused
Requirements and Expectations

Funding Agencies and Governments

Publishers and Research Communities

Institutions
Tri-Agency Statement of Principles on Digital Data Management

1. Preamble

The Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council of Canada (NSERC), and the Social Sciences and Humanities Research Council of Canada (SSHRC) (the agencies) are federal granting agencies that promote and support research, research training, knowledge transfer and innovation within Canada.

As publicly funded organizations, the agencies are strong advocates for making the results of the research they fund as accessible as possible. In promoting access to research results, they aspire to advance knowledge, avoid research duplication and encourage reuse, maximize research benefits to Canadians and showcase the accomplishments of Canadian researchers. These aspirations align with the Government of Canada’s commitment to open science, as described in Seizing Canada’s Moment: Moving Forward in Science, Technology and Innovation (2014).

Research data include observations about the world that are used as primary sources to support scientific and technical inquiry, scholarship and research-creation, and as evidence in the research process.¹ Research data are gathered through a variety of methods, including experimentation, analysis, sampling and repurposing of existing data. They are increasingly produced or translated into digital formats. When properly managed and responsibly shared, these digital resources enable researchers to ask new questions, pursue novel research programs, test alternative hypotheses, deploy innovative methodologies and collaborate across geographic and disciplinary boundaries. The ability to store, access, reuse and build upon digital research data has become critical to the advancement of science and scholarship, supports innovative solutions to economic and social challenges, and holds tremendous potential for Canada’s productivity, competitiveness and quality of life.
Tri-Agency Statement of Principles on Digital Data Management: Expectations

✧ Data management planning
✧ Constraints and obligations
✧ Adherence to standards
✧ Collection and storage
✧ Metadata
✧ Preservation, retention and sharing
✧ Timeliness
✧ Acknowledgement and citation
✧ Efficient and cost-effective

Tri-Agency Statement of Principles on Digital Data Management
http://www.science.gc.ca/default.asp?lang=En&n=83F7624E-1
Tri-Agency Statement of Principles on Digital Data Management:

**Responsibilities**

<table>
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<tr>
<th>Researchers</th>
<th>Research Institutions</th>
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<tr>
<td>- incorporating best practices</td>
<td>- supporting best practices</td>
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<td>- developing DMPs</td>
<td>- providing access to resources</td>
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<td>- adhering to policies and standards</td>
<td>- creating guidance and policies</td>
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<th>Research Communities</th>
<th>Research Funders</th>
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<td>- developing &amp; promoting standards</td>
<td>- developing policies &amp; guidance</td>
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<tr>
<td>- fostering excellence</td>
<td>- promoting data management</td>
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<td>- selecting repositories</td>
<td>- providing peer reviewers</td>
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What are researchers’ data management obligations?

What challenges do researchers face in managing their data?

How can the library help researchers address their data management needs?
A web-based, bilingual data management planning tool made available to all researchers in Canada through the Portage network

A guide for best practices in data stewardship

Available at: https://portagenetwork.ca | https://reseauuportage.ca
Scholars Portal Dataverse

A repository for research data collected at Ontario's universities.

An online platform to share, preserve, cite, explore and analyze research data.

Allows researchers to control how they share their data.

Supports data DOI registration through Datacite Canada.

Available at: dataverse.scholarsportal.info
For more RDM information

library.mcmaster.ca/rdm
rdmgmt@mcmaster.ca

McMaster Library’s RDM webpage and primary contact

portagenetwork.ca/

CARL Portage Network page: Access to RDM information and DMP Assistant
The Institutional Repository

MacSphere

&

Open Access Journals at McMaster

McMaster University Library Press
MacSphere (McMaster Libraries’ Institutional Repository):

- **Brings together** the scholarly output of the university

- **Preserves and makes freely available** all types of digital content including documents (theses, manuscripts, articles, etc.), images, video and data sets.
Oxygen Transfer in a Countercurrent, Pulsed Bubble Column

A 5.0 cm. diameter column was used for gas absorption. The column contained internal baffling and was operated in a countercurrent mode. Oxygen comprised the gaseous phase and tap water the liquid.

About MacSphere

MacSphere is McMaster University's Institutional Repository (IR). The purpose of an IR is to bring together all of a University's research under one umbrella, with an aim to preserve and provide access to that research. The research and scholarly output included in MacSphere has been selected and deposited by the individual university departments and centres on campus.

To contribute to McMaster's Institutional Repository, please sign on to MacSphere with your MAC ID. If you have any questions, please contact the Office of Scholarly Communication.

Students wishing to deposit their PhD or Masters thesis, please follow the instructions outlined by the School of Graduate Studies.
Title: Oxygen Transfer in a Countercurrent, Pulsed Bubble Column
Authors: Tessaro, Michael
Advisor: Baird, M. H. I.
Department: Chemical Engineering
Keywords: oxygen transfer;pulsed bubble;bubble column;chemicals
Publication Date: 1973

Abstract: A 5.0 cm. diameter column was used for gas absorption. The column contained internal baffling and was operated in a countercurrent mode. Oxygen comprised the gaseous phase and tap water the liquid phase. The column was operated both with and without pulsations. The injection and exhaustion of compressed air to the system provided the pulsation mechanism. The mixing as well as the mass transfer characteristics were examined. A set of experiments independent of the mass transfer work was carried out in order to study mixing in the column. A refluxing mechanism is uncovered in the mixing experiments. Values for the axial dispersion coefficient, volumetric mass transfer coefficient and reflux ratio are reported over the range of the operating parameters.

URI: http://hdl.handle.net/11375/20349

Appears in Collections: Digitized Open Access Dissertations and Theses

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<th>File</th>
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<td>Open Access</td>
<td>11.93 MB</td>
<td>Adobe PDF</td>
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Journal publication system available to faculty and students at McMaster

Built on Open Journal Systems (OJS); hosted in the Library’s data centre

No-charge publishing services; Supports Open Access business models

A Crossref publisher—mints and registers DOIs for all articles

mulpress.mcmaster.ca
Scholarly journal publisher

The Press is an imprint supported and published by the McMaster University Library in Hamilton, Ontario, Canada.

Bridges: Conversations in Global Politics and Public Policy

Early Theatre

Energy Studies Review

Global Labour Journal

Health Reform Observer – Observatoire des Réformes de Santé
✧ Provides a framework of research support for digital scholarship

✧ Provisions customized & scalable IT infrastructure to support research projects in digital humanities/digital scholarship.

✧ Offers technical support and consulting services for digital scholarship projects (programming, data management, systems administration).

✧ Promotes and disseminates McMaster University e-research through archival and access initiatives that interface with global e-research partners.

scds.ca